

This document contains the guidance and scoring used by the Assessors when reviewing your application. Assessors will review your answers for each scored question and mark each of them between 1 and 10 (1 being the lowest and 10 being the highest).

Any questions that are not scored will not be reviewed by the Assessor.

### **Question 1. Applicant location (not scored)**

You must state the name and full registered address of your organisation and any partners or subcontractors working on your project.

We are collecting this information to understand the geographical location of all applicants.

### **Question 2. Animal testing (not scored)**

Will your project involve any trials with animals or animal testing?

You must select one option:

- Yes
- No

We will only support innovation projects conducted to the highest standards of animal welfare.

Further information for proposals involving animal testing is available at the [UKRI Good Research Hub](#) and [NC3R's animal welfare guidance](#).

### **Question 3. Permits and licences (not scored)**

Will you have the correct permits and licences in place to carry out your project?

We are unable to fund projects who do not have the correct permits or licences in place by your project start date.

You must select one option:

- Yes
- No
- In process of being applied for
- Not applicable

#### **Question 4. Pillar alignment (not scored)**

Which pillars does your project align with, or intend to align with:

- green chemistry
- circularity
- productivity and resource efficiency

#### **Question 5. Need or challenge**

What is the business need, technological challenge or market opportunity behind your sustainable medicines manufacturing innovation?

Explain:

- the main motivation for the project
- the key sustainability challenges currently impacting the sector
- the business need, technological challenge or market opportunity
- whether you have identified any similar innovation, either within the medicines manufacturing sector or an adjacent sector, and its current limitations, including those close to market or in development

- any work you have already done to respond to this need, for example, if the project focuses on developing an existing capability or building a new one  
the wider economic, social, environmental, cultural or political challenges which are influential in creating the opportunity, such as incoming regulations

### **Question 5. Assessor guidance and scoring**

Scores 9 - 10

There is a compelling business motivation for the project.

The applicant identifies, discusses, and evidences sustainability challenges in the sector and business motivation.

The applicant is aware of innovation in adjacent sectors and there is a clear understanding of any similar innovation identified and its current limitations.

There is a clear description of the need, technical challenge, or market opportunity.

Any wider factors influencing this opportunity are clearly identified.

Scores 7 - 8

There is a good motivation for the project.

The applicant identifies sustainability challenges in the sector and business motivation.

There is a good awareness of the nearest innovation and some understanding of limitations and any similar innovations.

Any wider factors influencing this opportunity are identified.

There is a clear description of the need, technical challenge, or market opportunity.

Scores 5 - 6

The project motivation is appropriate, but there is a little understanding of the nearest innovation identified, limitations, similar innovations or wider factors influencing this opportunity.

The applicant references sustainability challenges in the sector and there is some attempt to describe market opportunity.

Scores 3 - 4

Project motivation is poorly defined or not relevant to the team.

There is a lack of understanding of the nearest innovation.

References to any similar innovations available or wider factors influencing this opportunity are not offered or are not relevant.

There is little reference to sustainability challenges and need, technical challenge or market opportunity is not identified.

1 - 2

There is little or no business drive to the project.

There is no understanding of the nearest innovation.

References to any similar innovations available or wider factors influencing this opportunity are not offered or are not relevant.

### **Question 6. Proposed innovation focus**

What approach will you take and where will the focus of the innovation be, with reference to your chosen pillars and the two enablers:

- green chemistry
- circularity
- productivity and resource efficiency
- regulations
- measurements, standards and data

Describe:

- how you will respond to the need, challenge or opportunity identified
- the expected challenges related to regulations, measurements, standards and data which you foresee potentially impacting the exploitation, commercialisation or adoption of your innovation and how you plan to address these
- the significance of advancing sustainable medicines manufacturing for your consortium
- any work you have already done to harness the power of sustainable medicines manufacturing innovation in your sector
- any previous work or funding received to support this that is relevant
- how you will improve on any similar innovation that you have identified
- whether the innovation will focus on existing technologies in new areas, the development of new technologies for existing areas, or a totally disruptive approach
- the freedom you have to operate
- how this project fits with your current product, service lines or offerings
- how it will make you more competitive
- the nature of the outputs you expect from the project, for example, reports, demonstrator, know-how, new process, product or service design, and how these will help you to target the need, challenge or opportunity identified

You can submit one appendix to support your answer. It can include diagrams and charts. It must be a PDF no larger than 10MB. It can be up to two A4 pages but must be in 11 point font size.

### **Question 6. Assessor guidance and scoring**

Scores 9 - 10

The applicant clearly articulates how the innovation proposed addresses at least one of the three pillars and the two enablers.

The approach addresses the need, challenge or opportunity identified in Question 5.

The expected challenges related to regulations, medicines standards and data are outlined and a credible plan for addressing these is described.

The main innovations are identified and clear evidence is presented to show how the innovations and project outputs will address the challenges and opportunities presented and differentiate from current offerings and those of competitors.

Any previous work and funding support is clearly described.

The project is significantly innovative and will make a substantial contribution to the field and advancing sustainable medicines manufacturing.

The project clearly describes whether the innovation will focus on existing technologies in new areas, the development of new technologies for existing areas, or a totally disruptive approach.

Solid evidence is presented to substantiate the level of innovation and freedom to operate.

Scores 7 - 8

The applicant explains how the innovation proposed addresses at least one of the three pillars and the two enablers.

The approach and output described addresses the need or challenge, and the main innovations are highlighted.

The expected challenges related to regulations, medicines standards and data are outlined and a plan is for addressing these is outlined.

Any previous work and funding support is outlined.

Evidence shows that the proposed development is innovative, makes a contribution to sustainable medicines manufacturing challenges, and that the applicant has the freedom to operate.

The applicant states whether the innovation will focus on existing technologies in new areas, the development of new technologies for existing areas, or a totally disruptive approach.

It is demonstrated how the project outputs will differentiate from current offerings and those of competitors.

Scores 5 - 6

The applicant states how the innovation proposed addresses at least one of the three pillars and the two enablers.

The approach may address the need or challenge identified in Question 5 and the innovations are highlighted.

The expected challenges related to regulations, medicines standards and data are outlined.

The level of innovation or freedom to operate is not strongly backed up with evidence.

Innovation focus is plausible and shows a link to improvements in competitiveness, productivity, or both.

Scores 3 - 4

There is little reference to the chosen pillars and enablers.

The approach is not well defined or inconsistent with the need or challenge identified in Question 5.

Improvement in competitiveness or productivity is not very convincing.

Scores 1 - 2

The approach is poorly defined with an unconvincing or no link to the need or challenge identified in Question 5.

There is little or no identification of how this will improve competitiveness.

### **Question 7. Team and resources**

Who is in the project team and what are their roles?

Explain:

- the roles, skills and experience of all members of the project team that are relevant to the approach you will be taking
- the resources, equipment and facilities needed for the project and how you will access them
- the details of any vital external parties, including subcontractors, who you will need to work with to successfully carry out the project
- the current relationships between project partners and how these will change as a result of the project

- any roles you will need to recruit for and any additional roles or organisations you believe will be needed to suitably address sustainability challenges within the medicines manufacturing sector
- the anticipated benefits of a diverse and multidisciplinary team

You can submit one appendix, with a short summary of the main people working on the project to support your answer. It must be a PDF, up to 4 A4 pages long and no larger than 10MB in size. The font must be legible at 100% zoom.

### **Question 7. Assessor guidance and scoring**

Scores 9 - 10

The project team is well placed to carry out the project and exploit the results.

There is a clear plan to obtain all the resources, equipment and facilities they will need.

There is strong evidence that the project team will work well.

If any additional roles or organisations are needed, it is clearly explained how they will be integrated into the project and how they will assist in tackling sustainability challenges.

It is clearly articulated how the consortium will bring in partners from the supply chain and the plan for doing this is well thought out and credible.

A diverse and multidisciplinary team is embedded in the project team design and clearly referenced and articulated.

Scores 7 - 8

The project team makes sense given the approach described in Question 6.

The applicant indicates how access will be obtained to all the resources, equipment and facilities they will need.

The project team is likely to work well.

If any additional roles or organisations are needed, they are listed and there is an explanation of how they will assist in tackling sustainability challenges.



The consortium contains partners from the supply chain and their roles is described.

There is reference to building a diverse and multidisciplinary team.

Scores 5 - 6

The project team has most, but not all, of the required skills and experience required.

It is unclear whether or not the project team will work well together.

If needed, additional partners are listed.

There is some reference to working across the medicine manufacturing supply chain.

Scores 3 - 4

There are significant gaps in the project team, with little or no information about how these will be filled.

There may be some members of the team with little relevance to the project activities.

There is no reference to the medicine manufacturing supply chain.

Scores 1 - 2

The project team will not be capable of either carrying out the project or exploiting the results.

### **Question 8. Market awareness**

What does the market or markets you are targeting look like?

Describe:

- the target markets for the project outcomes and any other potential markets, either domestic, international or both
- the size of the target markets for the project outcomes, backed up by references where available

- the structure and dynamics of the target markets, including customer segmentation, together with predicted growth rates within clear timeframes
- the target markets' main supply or value chains and business models, and any barriers to entry that exist
- the current UK position in targeting these markets
- the size and main features of any other markets not already listed

If your project is highly innovative, where the market may be unexplored, describe or explain:

- what the market's size might be
- how your project will try to explore the market's potential

### **Question 8. Assessor guidance and scoring**

Scores 9 - 10

The target market size, drivers and dynamics are fully quantified and evidenced.

Any barriers to entry are identified and addressed.

Where the market is new or unexplored, possible routes are identified based on precedents.

Any potential secondary markets are substantiated and clearly summarised.

Scores 7 - 8

There is a good awareness of the target market's drivers and dynamics.

The market size is quantified with some evidence.

For a new market, a good attempt is made at describing the possible routes to market and estimating the market size.

Any barriers to entry are identified and considered.

Any potential secondary markets are described showing good awareness.

Scores 5 - 6

The general market size and dynamics are understood but the addressable market is poorly quantified.

Any barriers to entry are not clearly identified or considered.

Potential secondary markets are mentioned but little information is offered.

Scores 3 - 4

Some information about the general market is offered but the extent of the addressable market for the project is not described.

Any barriers to entry are not identified or addressed.

Potential secondary markets are barely mentioned.

Scores 1 - 2

The market is poorly defined or is irrelevant to the motivations of the project.

### **Question 9. Outcomes and route to market**

How are you going to grow your business and increase long term productivity as a result of the project?

Explain:

- your current position in the markets and supply or value chains outlined, and whether you will be extending or establishing your market position
- your target customers or end users, and the value to them, for example, why they would use or buy your product
- your route to market
- how you are going to profit from the innovation, including increased revenues or cost reduction
- how the innovation will affect your productivity and growth, in both the short and the long term
- how you will protect and exploit the outputs of the project, for example, through know-how, patenting, designs or changes to your business model
- your strategy for targeting the other markets you have identified during or after the project

If there is any research organisation activity in the project, describe:

- your plans to spread the project's research outputs over a reasonable timescale
- how you expect to use the results generated from the project in further research activities

### **Question 9. Assessor guidance and scoring**

Scores 9 - 10

Target customers are clearly identified along with the value proposition to them.

The routes to market and how profit, productivity and growth will increase is fully identified and evidenced.

The exploitation or dissemination of the main project outputs is clearly outlined.

Scores 7 - 8

Target customers are identified along with the value proposition to them.

The routes to market and how profit, productivity and growth will increase is outlined with sufficient evidence.

The exploitation or dissemination of the main project outputs is outlined.

Scores 5 - 6

Target customers are described but the value proposition to them is less clear.

There is some information about how profit, productivity or growth increases may be achieved at some point.

Scores 3 - 4

There is limited information about the target customer types and there is little information about the value proposition or how profit, productivity or growth will be affected.

Scores 1 - 2

The applicant provides little or no information about the target customers.

### **Question 10. Wider impacts**

What impact might this project have outside the project team?

Describe and, where possible, measure the economic benefits from the project such as productivity increases and import substitution, to:

- external parties
- customers
- others in the supply chain
- broader industry
- the UK economy

Describe and, where possible, measure:

- any expected impact on government priorities
- any expected environmental impacts, either positive or negative
- any expected regional impacts of the project

Describe any expected social impacts, either positive or negative, on, for example:

- quality of life
- social inclusion or exclusion
- jobs, such as safeguarding, creating, changing or displacing them
- education
- public empowerment
- health and safety
- regulations
- diversity

### **Question 10. Assessor guidance and scoring**

Scores 9 - 10

The positive impact on others outside of the team is understood, for example, supply chain partners, customers, the broader industry.

Social, economic and environmental impacts are considered.

Expected regional impacts are described with compelling evidence to justify claims.

Any possible negative impacts are fully mitigated where appropriate.

Scores 7 - 8

There is good awareness of how the project may impact others outside of the team.

Some evidence of social, economic and environmental impacts is considered.

Expected regional impacts are described.

Any possible negative impacts are partially mitigated where appropriate.

Scores 5 - 6

There is basic awareness of how the project could impact some others outside the project.

Some relevant stakeholders are not considered. Little mitigation is offered where there may be negative impacts.

Scores 3 - 4

The applicant provides some information about possible impacts to others outside of the project, but significant gaps remain.

Scores 1 - 2

There is no information about how the project might impact others outside of the project or any expected social impacts.

### **Question 11. Project management**

How will you manage your project effectively?

Explain:

- the main work packages of your project, indicating the lead partner assigned to each and the total cost of each one
- your approach to project management, identifying any major tools and mechanisms you will use to get a successful and innovative project outcome
- the management reporting lines
- your project plan in enough detail to identify any links or dependencies between work packages or milestones

You must submit a project plan or Gantt chart as an appendix to support your answer. It must be a PDF, up to 2 A4 pages long and no larger than 10MB in size. The font must be legible at 100% zoom.

### **Question 11. Assessor guidance and scoring**

Scores 9 - 10

The project work packages are clearly outlined with the research category, lead partner and total costs evidenced for each one.

The approach to project management is fully described.

The plan is designed to meet the objectives of the project in a realistic and efficient way.

Any links or dependencies between work packages or milestones are identified.

Scores 7 - 8

The project work packages are outlined with the research category, lead partner and total costs provided for each one.

The approach to project management is stated.

The plan seems appropriate to the project objectives.

Any links or dependencies between work packages or milestones are stated.

Scores 5 - 6

The project work packages are outlined but there are some details missing.

The plan seems reasonable but is not tailored to the objectives of the project.

Scores 3 - 4

The plan has serious deficiencies or major missing aspects.

The plan has little chance of meeting the objectives of the project.

Scores 1 - 2

The plan is totally unrealistic or fails to meet the objectives of the project.

### **Question 12. Risks**

What are the main risks for this project?

Explain:

- the main risks and uncertainties of the project, including the technical, commercial, managerial and environmental risks
- how you will mitigate these risks
- any project inputs that are critical to completion, such as resources, expertise, and data sets
- any output likely to be subject to regulatory requirements, certification, ethical issues and other requirements identified, and how you will manage this

You must submit a risk register as an appendix to support your answer. It must be a PDF, up to 2 A4 pages long, and no larger than 10MB in size. The font must be legible at 100% zoom.

### **Question 12. Assessor guidance and scoring**



Scores 9 - 10

The key risks and uncertainties of the project are fully considered and mitigated.

Critical inputs to the project are identified.

Relevant constraints or conditions on the project outputs (regulatory requirements, certification or ethical issues) are identified.

The risk analysis is appropriate and professional.

Scores 7 - 8

The key risks and uncertainties of the project are considered with appropriate mitigations.

Relevant constraints or conditions on the project outputs are identified.

The risk analysis seems realistic.

Scores 5 - 6

Most major risks have been identified, but there are some gaps, or the mitigation and management are insufficient to properly control the risks.

Scores 3 - 4

The risk analysis is poor or misses major areas of risk.

The mitigation and management are poor.

Scores 1 - 2

The risk analysis is superficial with minimal mitigation or management suggested.

**Question 13. Added value**

How will this public funding help you to accelerate or enhance your approach to developing your project towards commercialisation? What impact would this award have on the organisations involved?

Explain:

- what advantages public funding would offer your project, for example: appeal to investors, more partners, reduced risk or a faster route to market
- the likely impact of the project outcomes on the organisations involved
- what other routes of investment or means of support you have already approached and why they were not suitable
- how any existing or potential investment or support will be used in conjunction with the grant funding
- what your project would look like without public funding
- how this project would change the R&D activities of all the organisations involved

### **Question 13. Assessor guidance and scoring**

Scores 9 - 10

There is a compelling case for the positive difference funding will make.

Alternative sources of support are described with an explanation of why they are discounted or used in conjunction with the grant funding.

The project will significantly increase the R&D activities of the organisations involved during the project and afterwards.

Scores 7 - 8

The arguments for public funding are good and justified.

Alternative sources of support are described, with an indication of why they are discounted.

The project will significantly increase the R&D activities of the organisations involved.

Scores 5 - 6

The public funding arguments are acceptable, but the difference made by the grant will be modest.

Any alternative sources of support are not fully described or discounted.

The project will improve the R&D activities of the organisations involved.

Scores 3 - 4

The funding arguments are poor or not sufficiently justified.

Alternative sources of support are not described, or no reason is given why they are discounted.

There is not likely to be any improvement to the R&D activities of the organisations involved.

Scores 1 - 2

There is no justification for public funding and no reason why the applicant should not fund the work.

#### **Question 14. Costs and value for money**

How much will the project cost and how does it represent value for money for the team and the taxpayer?

In terms of your project goals, explain:

- your total project costs
- the grant you are requesting
- how each partner will finance their contributions to your project
- how this project represents value for money for you and the taxpayer
- how it compares to what you would spend your money on otherwise
- the balance of costs and grant across the project partners
- any subcontractor costs and why they are critical to your project

For full details on what costs you can claim see our [project costs guidance](#).

#### **Question 14. Assessor guidance and scoring**

Scores 9 - 10

The project costs are entirely appropriate and represent excellent value for money for the team and the taxpayer.

The partners have a clear idea of how they will finance their contribution.

The balance of costs and grant between partners, and use of subcontractors, is justified and reasonable for the proposed project.

Scores 7 - 8

The project costs are appropriate and should be sufficient to successfully complete the project.

The partners have explained how they will finance their contribution.

The balance of costs and grant between partners, and use of subcontractors, seems reasonable.

The project represents good value for money for the organisation and the taxpayer.

Scores 5 - 6

The project costs seem to be acceptable, but the justifications are not clear.

The partners have indicated how they will finance their contribution.

The balance of costs and grants between partners is not entirely satisfactory and use of subcontractors not completely appropriate.

Little information is offered about the value for money this project offers.

Scores 3 - 4

The project costs seem too high or too low given the proposed project.

The partners have not been clear on how they will finance their contribution.

The split of costs and grant between partners is unbalanced.

There is inappropriate use being made of subcontractors.

Scores 1 - 2

The costs are not appropriate or justified.

The partners have not indicated how they will finance their contribution.

The balance of costs and grant between partners and use of subcontractors is not justified.

**Question 15. Funding plans (not scored, but will be used to assess financial viability)**

Describe the funding plans for the company to support the success of the project.

You must include:

- the source of the funds available to support the project, such as the company's own funds
- your funding strategy and how you will continue to support the development of the innovation following completion of the project, with a view towards its eventual commercialisation